

High Strength Trauma Suture

Overview

Material: Force Fiber® sutures are made of Dyneema Purity® UHMWPE fibers

- UHMWPE stands for Ultra High Molecular Weight PolyEthylene

Strength: An independent suture tensile testing study comparing multiple high strength suture types demonstrated that Force Fiber® #2 is positioned among the strongest of the high strength sutures.¹

Suture Loads to Failure

Company	Product Name	Mean Strength (lbs)
Stryker JP	Force Fiber® #2	67.0
Ethicon	Ethibond™ #2	21.3
Ethicon	Ethibond™ #5	44.9
Arthrex	FiberWire™ #2	43.7
DePuy/Mitek	OrthoCord™ #2	46.0
Linvatec	Hi-Fi™ #2	58.0
Arthrotec	MaxBraid™ #2	59.6
Smith & Nephew	UltraBraid™ #2	65.0
Arthrocare	MagnumWire™ #2	70.5

Overview of the strengths of current high strength sutures compared to Ethibond #2 and #5 sutures.¹



Needle Types



#2 Needle:
HC-5, 1/2 Circle Tapered Point Needle



#5 Needle:
K-60, 3/8 Circle Cutting Point Needle

Force Fiber® High Strength Suture

Item Number	Description
3910-900-020	Force Fiber® #2, 38" Strand w/ Needle
3910-900-021	Force Fiber® #2, 38"
3910-900-050	Force Fiber® #5, 38" Strand w/ Needle
3910-900-051	Force Fiber® #5, 38" Strand

One box of suture comes with 12 individually packaged sterile strands

Other Materials and Tools:

- Force Fiber Technical Bulletin: Literature # LJPPF-B
- Force Fiber Sales Brochure: Literature # 1000-900-510b Rev 1
- High Strength Trauma Suture Sell Sheet:

Published Suture Articles:

- Barber FA, et. al. Sutures and Suture Anchors-Update 2006. *Arthroscopy* 22:1063, 2006.
- Barber FA, et. al. Cyclic Load and Failure Behavior of Arthroscopic Knots and High Strength Sutures. *Arthroscopy*, Vol. 25, No 2, 2009: pp 192-199.

Reference:

1. Barber FA, et al. Sutures and Suture Anchors-Update 2006. *Arthroscopy* 22:1063, 2006.

A surgeon must always rely on his or her own professional clinical judgment when deciding whether to use a particular product when treating a particular patient. Stryker does not dispense medical advice and recommends that surgeons be trained in the use of any particular product before using it in surgery.

The information presented is intended to demonstrate the breadth of Stryker product offerings. A surgeon must always refer to the package insert, product label and/or instructions for use before using any Stryker product. Products may not be available in all markets because product availability is subject to the regulatory and/or medical practices in individual markets. Please contact your Stryker representative if you have questions about the availability of Stryker products in your area.

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